|   | Index of Claims |            |           |          |                 |         |         |              |  |          |            |           |                 | Application No. |           |                 |             |          |           |          |          |            | Applicant(s)        |               |                 |                 |          |         |                 |       |
|---|-----------------|------------|-----------|----------|-----------------|---------|---------|--------------|--|----------|------------|-----------|-----------------|-----------------|-----------|-----------------|-------------|----------|-----------|----------|----------|------------|---------------------|---------------|-----------------|-----------------|----------|---------|-----------------|-------|
|   |                 |            |           |          |                 |         |         |              |  |          |            |           |                 | 09/690,057      |           |                 |             |          |           |          |          |            |                     | GRESKO ET AL. |                 |                 |          |         |                 |       |
|   |                 |            |           |          |                 |         |         |              |  |          |            |           | Examiner        |                 |           |                 |             |          |           |          |          | Art Unit   |                     |               |                 |                 |          |         |                 |       |
|   |                 |            |           |          |                 |         |         |              |  |          |            |           |                 |                 |           |                 |             |          |           |          |          |            |                     |               |                 |                 |          |         |                 |       |
|   |                 | 1 18811    |           |          | 18 8111         |         | ##()/   | 88181        | #1811 A #  | 11111    |            |           | KIE             | <u>U-C</u>      | DANH T BU |                 |             |          |           |          |          | 2611       |                     |               |                 |                 |          |         |                 |       |
|   |                 |            | _         | _        |                 |         | _       |              |  |          |            |           |                 |                 |           |                 |             |          |           |          |          | 1          |                     |               |                 |                 |          | _       |                 |       |
|   | √ Rejected -    |            |           |          |                 |         |         | (T           | (Through numera                                  |          |            |           |                 | al)             |           | Non-Electe      |             |          | ted       | ed       | ا؞ا      | Appeal     |                     |               |                 |                 |          |         |                 |       |
|   |                 |            |           | -        |                 | 4       |         |              | Cancelled  |          |            |           |                 |                 | N         |                 |             |          |           | _        | A        |            |                     |               |                 | _               |          |         |                 |       |
|   |                 |            | =         | Allowed  |                 |         |         |              | ÷  |          | Restricted |           |                 |                 |           | ı               | Interferen  |          | се        |          |          | Objected   |                     |               |                 |                 |          |         |                 |       |
|   |                 |            | L         |          |                 |         | ┙       |              | LL.  | _        |            |           |                 |                 |           | J               |             |          |           |          |          | ]          | Ш                   |               |                 |                 |          |         |                 |       |
| Γ | CI              | aim        | Г         | Date     |                 |         | ate     |              |  | ٦        | Cli        | aim       | im I            |                 | Date      |                 | <u> </u>    |          |           |          | Claim    | aim        | _                   | Date          |                 |                 |          |         |                 | 1     |
| Ī |                 |            | W         |          |                 |         | Ť       | Π            |  | 1        |            | T         | Т               | Т               |           |                 |             | $\neg$   | Т         | 1        |          |            | $\vdash$            |               | Τ               |                 |          |         | П               |       |
| ľ | Final           | Original   | 2000      | ,        | H               | ı       |         |              |  |          | Final      | Original  |                 |                 |           |                 |             |          |           |          | Final    | Original   |                     |               |                 |                 |          |         |                 | i<br> |
|   | ш               | 0          | 105       | _        |                 |         |         |              |  |          | ш          | õ         |                 |                 |           |                 |             |          |           |          | 正        | ő          |                     |               |                 | ŀ               |          |         |                 |       |
| Į |                 | 1          | 1         |          |                 | 土       |         | t            | f  | j i      |            | 51        | $\Box$          | $\top$          | +-        | $\Box$          | $\dashv$    | $\dashv$ | +         | 1        |          | 101        | H                   | +             | $\dagger$       | $\Box$          | +        | +       | H               |       |
| [ |                 | 2          | $\prod$   |          | П               | Τ.      | Ţ       | L            |  | ]        |            | 52        |                 | $\perp$         |           | П               |             | $\Box$   | 1         | ] [      |          | 102        |                     |               |                 |                 |          |         |                 |       |
| } |                 | 3          | +         |          | $\vdash \vdash$ | +       | +       | ╁            | $\vdash$   | -        |            | 53<br>54  | $\vdash \vdash$ | +               | +         | ╁┤              | $\dashv$    | +        | +         | ┨╏       |          | 103<br>104 | $\vdash \vdash$     | +-            | +               | <del> </del>    | $\dashv$ | -       | $\dashv$        |       |
| ŀ |                 | 5          |           |          |                 | 士       | $\pm$   | T            |  | 1        |            | 55        | $\vdash$        | +               | +         | $\vdash$        |             | +        | +         | ┤        |          | 105        | $\vdash$            | +             | +               | ╁┤              | +        | +-      | +               |       |
|   |                 | 6          |           |          |                 |         |         |              |  | ]        |            | 56        |                 |                 |           |                 |             |          | $\top$    | ] [      |          | 106        |                     |               |                 |                 |          |         |                 |       |
| ļ |                 | 8          | ╀         | _        | H               | -       | +       | <del> </del> | $\vdash\vdash$                                   | 4 1      |            | 57<br>58  |                 | +               | +         | H               | $\dashv$    | -        | 4         | ┤╎       |          | 107<br>108 | $\square$           | +             | +               | -1              | $\dashv$ |         |                 |       |
| } |                 | 9          | H         |          | H               | +       | +       | +            |  | 1        |            | 59        |                 | +               | +         | $\vdash$        | $\dashv$    | +        | +-        | ┪┟       |          | 109        | $\vdash$            | +             | ╁               | H               | -        | +       | $\vdash$        |       |
| Ī |                 | 10         |           |          |                 | $\perp$ |         |              |  | ]        |            | 60        |                 |                 |           |                 |             |          |           | ] [      |          | 110        |                     |               |                 |                 | 士        | T       |                 |       |
| - |                 | 11<br>(12) |           | _        |                 | -       | +       | ┞            | $\vdash$   | 4        |            | 61<br>62  | -               | +               | +-        | Н               | _           | 4        | 4         | ┦╏       |          | 111        |                     |               |                 | $\sqcup$        | $\perp$  |         | $\square$       |       |
| } |                 | 43         | ٦         |          | $\vdash$        | +       | +-      | $\vdash$     | <del>   -</del>                                  | 1 1      |            | 63        | +               | ╁               | +         | Н               | $\dashv$    | -        | +         | ┨╏       |          | 112<br>113 | $\vdash$            | +             | +               | ┤┤              | +        | +-      | $\vdash \vdash$ |       |
|   |                 | 14         |           |          |                 |         |         |              |  | 1        |            | 64        |                 |                 |           |                 |             |          |           | ] [      |          | 114        |                     |               | 1               |                 | $\top$   | +       |                 |       |
|   |                 | 15         | Ш         |          | - -             | +       | 4       | ▙            | $\vdash$   | -        |            | 65        |                 |                 | _         |                 |             | _        | ╀         | ] [      |          | 115        | Ш                   | $\Box$        |                 |                 |          | $\perp$ | П               |       |
| F |                 | 16         | Н         |          | $\vdash$        | +       | +       | ├-           | ╁┼   | 1        |            | 66<br>67  | $\dashv$        | +               | ╁         | $\vdash$        |             | +        | ╁╴        | ┥┟       |          | 116<br>117 | Н                   |               | ╁               |                 |          | +       | $\vdash \vdash$ |       |
|   |                 | 18         |           |          |                 | 土       |         |              |  | ] [      |            | 68        |                 |                 | $\top$    |                 |             |          | $\dagger$ | 1        |          | 118        | H                   | +             | +               | H               | $\top$   | +       | Н               |       |
| - |                 | (19)       | Ш         | _        | $\sqcup$        | $\perp$ | $\perp$ | _            |  | ] [      |            | 69        | $\blacksquare$  | 4               | $\perp$   | П               | $\sqsupset$ |          |           | ] [      |          | 119        |                     |               |                 | П               | 1        |         | П               |       |
| - |                 | 20         | Н         | _        | $\vdash +$      | +       |         | -            | $\vdash$   |          |            | 70<br>71  | +               | +               | ╁         | Н               | -           | +        | +         | ┨╏       |          | 120<br>121 |                     | +             | ╀               | $\vdash$        | +        | +       | $\vdash$        |       |
|   |                 | 22         |           |          |                 |         |         |              |  | 1 [      |            | 72        |                 | $\top$          | $\dagger$ | $\Box$          |             | $\dashv$ | $\top$    | 1 1      |          | 122        |                     | +             | 1               | H               | $\top$   | +       | Н               |       |
| - |                 | 23         | 4         | _        | $\dashv$        | _       | $\perp$ | <u> </u>     | $\vdash \vdash$                                  | ] ]      |            | 73        | _               |                 | $\perp$   |                 | _           |          | 1         | ] [      |          | 123        |                     |               |                 | П               |          |         |                 |       |
| ŀ |                 | 24<br>(25) | H         |          | $\dashv$        | +       | +       | ├-           | <del>├</del> ├                                   | ┨╏       |            | 74<br>75  | $\dashv$        | +-              | ╁         | $\vdash$        | $\dashv$    |          | ┿         | 1        |          | 124<br>125 | $\vdash$            |               | $\vdash$        | Н               | +        | +       | $\vdash$        |       |
| į |                 | 26         | $\perp$   |          |                 | 土       |         |              |  | j        |            | 76        | $\perp$         | +               | _         |                 | $\dashv$    | _        | +         | 1        |          | 126        | $\vdash$            | +             | +               | $\vdash$        | +        | ╁       | H               |       |
| F |                 | 27         | $\prod$   | $\Box$   | $\Box$          | $\perp$ |         | $\Box$       | $\coprod$  | ] [      |            | 77        | $\perp$         | T               | I         | П               | $\neg$      | Ţ        | T         | ] [      |          | 127        | П                   |               | oxdot           |                 | 丁        |         |                 |       |
| - |                 | 28<br>29   | H         |          | +               | +       | +       | $\vdash$     | <del>                                     </del> | ┨╏       |            | 78<br>79  | -               | +               | +         | H               | -           | +        | +         | ┨        | -        | 128<br>129 | $\vdash \downarrow$ | +             | +-              | $\vdash \vdash$ | +        | -       | Н               |       |
|   |                 | 30         | Н         | 一        |                 | $\top$  | 士       | $\vdash$     |  | <u> </u> |            | 80        | +               | +               | +         | H               | $\dashv$    | +        | +         | 1 }      |          | 130        | $\vdash \vdash$     | +-            | +               | $\vdash$        | +        | +       | $\dashv$        |       |
|   |                 | 33         | Щ         |          | $\bot$          | 1       | T       |              |  | ] [      |            | 81        | ightharpoonup   | $\downarrow$    |           |                 |             |          |           | ] [      |          | 131        |                     |               |                 |                 | 土        |         | 口               |       |
| - |                 | 32<br>33   | H         | $\dashv$ |                 | +       | +       | $\vdash$     |  | ┨╏       |            | 82<br>83  | $\dashv$        | +               | -         | $\vdash \vdash$ | $\dashv$    | +        | +-        | ┧┟       |          | 132<br>133 | $\sqcup$            |               | -               | $\sqcup$        | $\perp$  | +       | $\sqcup$        |       |
|   |                 | 34         | $\dagger$ |          | +               | +       | +       |              |  | ┪╏       |            | 84        |                 | 1               | ╁╌        | H               |             | ╁        | +         | 1 }      | $\dashv$ | 134        | H                   | ╁             | +-              | H               | +        | ╁       | Н               |       |
|   |                 | 35         | Ż         |          |                 |         |         |              |  | ] [      |            | 85        |                 |                 |           |                 |             |          |           | 1 t      |          | 135        |                     |               |                 |                 |          | 1       |                 |       |
|   |                 | 36<br>37   | -         | $\dashv$ | +               | +       | +-      | -            | $\vdash$   | ┨╏       |            | 86<br>87  | +               | -               | +         | $\sqcup$        | $\dashv$    | +        | +-        |          | [        | 136<br>137 | $\Box$              |               | $\Box$          | $\Box I$        | Ţ        | $\bot$  | П               |       |
| F | _               | 38         | $\dashv$  | $\dashv$ | +               | ╁       | +       |              | $\vdash$   | ┪┟       |            | 88        | +               | ╁               | +         | H               | $\dashv$    | +        | ╁         | ┨╏       |          | 137        | $\dashv$            | +             | $\vdash$        | -+              | +        | +-      | Н               |       |
|   |                 | 39         |           |          | $\dashv$        | I       | $\perp$ |              |  | ] [      |            | 89        |                 | $\perp$         |           |                 |             |          |           | j        |          | 139        | $\Box$              |               |                 |                 | 士        | 士       | $\Box$          |       |
| } |                 | 40<br>41   | $\dashv$  |          | +               | +       | +-      | $\vdash$     |  | ┨        |            | 90        | _[              | $\perp$         | +         | $\square$       | $\dashv$    | $\perp$  |           | ↓ F      |          | 140        | $\Box$              | $\bot$        | П               |                 | $\perp$  | I       |                 |       |
| - |                 | 41         | $\dashv$  | $\dashv$ | +               | +       | +       | $\vdash$     | $\vdash \vdash$                                  | ┨╏       |            | 91<br>92  | +               | +               | ╁         | $\dashv$        | ᆉ           | $\dashv$ | +         | ┧┞       |          | 141<br>142 | $\dashv$            | +             | H               | $\dashv$        | +        | +-      | H               |       |
|   |                 | 43         |           |          |                 | 工       |         |              |  | 1 [      |            | 93        |                 | 士               |           |                 | 士           | $\pm$    | ╧         | <u> </u> |          | 143        |                     | $\pm$         |                 | $\Box$          | = $+$    | +       | Н               |       |
| - |                 | 44         | $\dashv$  | 4        | $\perp$         | $\perp$ | 4       | Щ            |  | [        |            | 94        | 工               | T               | $\bot$    | $\Box$          | $\Box$      | $\bot$   |           | ] [      |          | 144        | $\Box$              | Ţ             | П               |                 |          |         | 口               |       |
| - | _               | 45<br>46   | $\dashv$  | $\dashv$ | $\dashv$        | +-      | +       | Н            |  | ┨╏       | $\dashv$   | 95<br>96  | +               | +               | +-        | $\vdash \vdash$ | +           | +-       | +         | {        |          | 145<br>146 | $\dashv$            | +             | $\vdash \vdash$ | $\dashv$        | +        | +       | Н               |       |
|   |                 | 47         | ╛         |          | 士               | 上       | T       |              |  | <u> </u> |            | 97        | 士               | †               | $\perp$   |                 | _           | $\top$   | +-        | 1        |          | 147        | $\dashv$            | +             | +               | -               | 十        | +       | H               |       |
| _ |                 | 48         | $\dashv$  | 4        | 4               | $\perp$ |         |              |  | ] [      |            | 98        | _               | Γ               |           | $\Box$          | $\Box$      | T        | 1         | ] [      |          | 148        |                     | $\bot$        | П               | $\Box$          |          |         | 口               |       |
| } |                 | 49<br>50   | $\dashv$  | $\dashv$ |                 | +       | +       | Н            | ├-   | ┨        |            | 99<br>100 | -               | +               | +-        | $\dashv$        | +           | +        | ╀         | {        |          | 149<br>150 |                     | +             | $\vdash$        | _               | +        | +-      | Н               |       |
|   |                 |            |           | 1        |                 |         |         | ш            |  | JL       |            | .50       |                 |                 |           | ш               |             |          |           | j L      |          | 130        |                     |               |                 | L               |          |         | ш               |       |